



Patent

Docket Number: ANP-00114.P.5.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)	
)	
PAKULA, Andrew)	Examiner: To Be Determined
)	
Application No.: 10/820,179)	Art Unit: To Be Determined
)	
Filed: April 6, 2004)	
)	
For: A SCREENING METHOD FOR)	
IDENTIFYING LIGANDS FOR)	
TARGET PROTEINS)	

Commissioner for Patents
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant respectfully submits this information disclosure statement before the mailing of a First Office Action on the merits under 37 C.F.R. § 1.97(a)(3). Accordingly, no fee under 37 C.F.R. § 1.17(p) is deemed necessary.

Applicant submits herewith a listing of references on the attached Form 1449A and Form 1449B. Form 1449A includes a listing of references previously submitted in Parent U.S. Application Serial No. 09/904,186 or 08/978,381 or 08/547,889 or issued U.S. Patent No. 5,679,582. Form 1449B includes a listing of newly presented references.

Applicant submits 1 volume of references listed on the attached Form 1449B.

Information Disclosure Statement
ANP-00114.P.5.1
PAKULA, Andrew

Please apply any charges not covered, or any credits, to Deposit Account number 501321 in the name of David R. Preston & Associates, having Customer Number 24232.

Respectfully submitted,

Date: May 19, 2004



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Reg. No. 38,710

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IFW

PTO/SB/21 (08-03)
Approved for use through 08/30/2003. OMB 0651-0031
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/820,179	
	Filing Date	April 6, 2004	
	First Named Inventor	PAKULA, Andrew	
	Art Unit	To be determined	
	Examiner Name	To be determined	
Total Number of Pages in This Submission	8	Attorney Docket Number	ANP-00114.P.5.1

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks 1. Form 1449A; 2. Form 1449B 3. 1 volume of references cited on Form 1449B; 4. Postcard		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	David R Preston Reg No 38,710
Signature	
Date	May 19, 2004

CERTIFICATE OF TRANSMISSION/MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.	
Typed or printed name	Raymond Wagenknecht
Signature	
Date	May 19, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form 1449A: Previously Cited Documents (Use several sheets if necessary)	Docket Number: ANP-00114.P.5.1	Application Number: 10/820,179
	Applicant: PAKULA, Andrew	
	Filing Date: April 6, 2004	Group Art Unit: To be determined

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	P1	4,859,609	1989	Dull			
	P2	5,200,504	1993	Ghadiri			
	P3	5,506,097	1996	Potter			
	P4	5,325,295	1994	Fratantoni			
	P5	5,585,277	1996	Bowie			
	P6	6,020,141	2000	Pantiliano			
	P7						

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	Translation	
							YES	NO
	F1	WO 02/03542	1992	PCT				
	F2	WO 93/14781	1993	PCT				
	F3	0 613 007	1994	EPO				
	F4							

Examiner Signature		Date Considered	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS		CITATION
	D1	Tanigaki et al, Human Immunology 36:119-127 (1993)
	D2	Grant et al, Biochemistry 31:9491-9501 (1992)
	D3	Randall, Science 257:241-245 (1992)
	D4	Zahnley, Inorganic Biochem 15:67-78 (1981)
	D5	Grimaldi et al, Biochem 21:145-151 (1982)
	D6	Pace et al, Biol Chem 255: 3862-3865 (1980)
	D7	Doyle et al, Carbohydrate Res 46:111-118
	D8	Casas-Finet et al, J Mol Biol 229:873-889 (1993)
	D9	Merabet et al, Biochem Biophys Acta 1161:272-278 (1993)
	D10	Fernandez-Ballester, Biochem J 228:421-426 (1992)
	D11	Harrington J Biochem 24:275-280 (1992)
	D12	Green, J Biol Chem 266:21474-21481
	D13	Feng et al, Biochem 30:10150-10155 (1991)
	D14	Parsell et al, J Biol Chem 264:7590-7595 (1989)
	D15	Wagenhofer et al, Anal Biochem 175:422-432 (1988)
	D16	Lapadat et al, J Biol Chem 264:5510-5514 (1989)
	D17	Kuwajima et al, Int J Peptide Protein Res 27:18-27 (1986)
	D18	Rosengart et al, Biochem Biophys Res Commun 152(1):432-440 (1988)
	D19	Nilsson et al, Annu Rev Microbiol 45:607-635 (1991)
	D20	Waltz et al, J Biol Chem 265(13):7127-7137 (1990)
	D21	Pace et al, Biochemistry 27:3242-3246 (1998)
	D22	Airas, Biochemistry 33:7193 (1994)
	D23	Barcelo et al, Chem Biol Interactions 74:315 (1990)

Examiner Signature		Date Considered	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS		CITATION
	D24	Bouvier et al, Science 265:398 (1994)
	D25	Brandts et al, American Laboratory 22:30 (1990)
	D26	Brandts et al, Biochemistry 29:6927 (1990)
	D27	Chavan et al, Biochemistry 33:7193 (1994)
	D28	Davidson et al, Proc Natl Acad Sci, USA 91:2146-215 (1994)
	D29	Eftink, Biophys J 66:482-501 (1994)
	D30	Erikson et al, Nature 335:371 (1992)
	D31	Ferscht, Curr Opinion in Struc Biol 7:3 (1997)
	D32	Kahn, Biochemistry 31:8829-8839 (1992)
	D33	Lee et al, FEBS Letts. 339:164-167 (1994)
	D34	Morton et al, Biochemistry 34:8513 (1995)
	D35	Schellman, Biopolymers 14:999 (1975)
	D36	Schellman, Biophysical Chem 45:273 (1993)
	D37	Scott et al, Science 249:386 (1990)
	D38	Wang, J Biol Chem 268:20785-20790 (1995)
	D39	Weber et al, J Am Chem Soc 16:2716 (1994)
	D40	Pace and Marshall, Archives of Biochemistry and Biophysics 199:270-276 (1980)
	D41	Burke et al, Biochemistry 32:6419-6426 (1993)
	D42	Volkin et al, Archives of Biochemistry and Biophysics, 300:30-41 (1993)
	D43	Hu et al, Biochemsitry 31:4876-4882 (1992)

Examiner Signature		Date Considered	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS		CITATION
	P44	Copeland et al, Archives of Biochemistry and Biophysics, 289:53-61 (1991)
	P45	Dabora et al, J Biol Chem 266:23637-40 (1991)
	P46	Pace, TIBS 15:14-17 (1990)
	P47	Keating et al, Biochemistry 27:5240-5 (1988)
	P48	Permyakov et al, Biophys Chem 35:37-42 (1988)
	P49	Allen et al, Arch Biochem Biophys 249:137-147 (1986)
	P50	Busby et al, Biochem Biophys Acta 871:61-71 (1986)
	P51	Pace et al, J Mol Biol 188:477-486 (1986)
	P52	Schnarr et al, Biochem Biophys Acta 702:155-132 (1982)
	P53	Oobatake et al, J Biochemistry 86:65-70 (1979)
	P54	Blazyk et al, Biochemistry 15:2843-8 (1976)
	P55	DeFlora et al, Ital J Biochem 24:147-61 (1975)
	P56	Takahasi, J Biochem 75:201-204 (1974)
	P57	Bieth et al, Biochemical Medicine 11:350-357 (1974)
	P58	Gething et al, Nature 355:33-45 (1992)
	P59	Hardy et al, Science 251:439-443 (1991)
	P60	Chen et al, Anal Chem 64:3018-3023 (1992)
	P61	Silverman et al, Current Opinions in Chemical Biology Chemistry 397-403 (1998)
	P62	Broach et al, Nature 384 (Supp. 7):14-16 (1996)
	P63	Zhang et al, Analytical Biochemistry 264:22-25 (1998)
	P64	Volkin et al, Biochemistry 33:7193-7202

Examiner Signature		Date Considered	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS		CITATION
	P65	Enna, Principles and Methods in Receptor Binding: 13-33, Humana Press (1987)
	P66	Enna, Biochemical Approaches For Evaluating Drug-Receptor Interactions, Drug Discovery and Development 161-176 (1987)
	P67	Baldwin, Drug Discovery and Development, 33-71 Humana Press (1987)
	P68	Kinnier, Drug Discovery and Development, Humana Press (1987)
	P69	Williams et al, Drug Discovery and Development 3-29 (1987)
	P70	Volkin et al, Proceedings of the Ninth International Biotechnology Symposium and Exposition, American Chemical Society 1992 cover pages and pages 299-302
	P71	

Examiner Signature		Date Considered	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form 1449B (Use several sheets if necessary)	Docket Number: ANP-00114.P.5.1	Application Number: 10/820,179
	Applicant: PAKULA, Andrew	
	Filing Date: April 6, 2004	Group Art Unit: To be determined

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	P1	2003/0152992	08/2003	Laing et al			
	P2	2003/0113779	06/2003	Arenas et al			
	P3	2003/0059811	03/2003	Djaballah et al			
	P4	2002/0168686	11/2002	Pantoliano et al			
	P5	6,337,183	01/2002	Arenas et al			
	P6	6,376,180	04/2002	Tomich et al			
	P7	6,331,392	12/2001	Laing et al			
	P8	5,679,582	10/1997	Bowie et al			
	P9	5,585,277	12/1996	Bowie et al			
	P10	5,463,564	10/1995	Agrafiotis et al			

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	Translation	
							YES	NO
	F1	97/42500	11/1997	PCT				
	F2	97/20953	06/1997	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS		CITATION

Examiner Signature		Date Considered	
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PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 0.00

Complete if Known

Application Number	10/820,179
Filing Date	April 6, 2004
First Named Inventor	PAKULA, Andrew
Examiner Name	To be determined
Art Unit	To be determined
Attorney Docket No.	ANP-00114.P.5.1

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number
Deposit Account Name

501321

David R. Preston

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee from below	Fee Paid
Total Claims	-20** =	X	
Independent Claims	-3** =	X	
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	
1202 18	2202 9	Claims in excess of 20	
1201 84	2201 42	Independent claims in excess of 3	
1203 280	2203 140	Multiple dependent claim, if not paid	
1204 84	2204 42	** Reissue independent claims over original patent	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)			(\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	
1253 930	2253 465	Extension for reply within third month	
1254 1,450	2254 725	Extension for reply within fourth month	
1255 1,970	2255 985	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0.00

SUBMITTED BY

Name (Print/Type)

David R. Preston

Registration No.
(Attorney/Agent)

38,710

(Complete if applicable)

Telephone 858-724-0375

Signature

Date

May 19, 2004

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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